



Nutech Biosciences, Inc.
537 Fitch Street • Oneida, NY 13421
Work: 315-505-6500 • Cell: 315-251-4324
www.nutechbiosciences.com

Material Safety Data Sheet

Mineralate-ZMC

(Amino Acid Chelates)

A. GENERAL INFORMATION

Product Name:

Mineralate ZMC

Chemical Name:

AAFCO definition #57.231

IFN 6-26-150

Zinc Amino Acid Chelate

Manganese Amino Acid Chelate

Copper Amino Acid Chelate

FORMULA:

Mixture/compound

CONTACT:

NuTech Biosciences, Inc.

537 Fitch Street

Oneida, NY 12421 USA

PHONE NUMBER:

+1-315-505-6500

ChemTrec

+1-800-424-9300

DATE OF ISSUE:

Feb 1, 2010

B. HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENT:

C.A.S NUMBER:

7733-02-0

PERMISSIBLE AIR CONCENTRATION:

N/A

C. FIRST AID MEASURES

INGESTION:

If large amounts are ingested, get medical attention, induce vomiting.

INHALATION:

Remove to fresh air or give oxygen.

EYE CONTACT:

If eye irritation exists, flush thoroughly with plain water.

SKIN CONTACT:

If skin irritation exists, wash with soap and water.

D. HAZARDS INFORMATION

HEALTH EFFECTS:

INHALATION:

May cause irritation of the nasal membranes and upper respiratory tract.

INGESTION:

Ingestion of large amounts may be harmful

SKIN:

Normally no harmful effects.

EYES:

Contact may cause irritation.

MEDICAL CONDITIONS POSSBLY AGGRAVATED:

Respiratory problems.

USUAL CHRONIC TOXICITY:

None.

FIRE AND EXPLOSION DATA:

FLASH POINT:

OPEN CUP CLOSED CUP

Non-flammable

AUTO IGNITION TEMPERATURE:

N/A

FLAMMABLE LIMITS IN AIR

(% BY VOL.):

N/A

E. PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION:

Use NIOSH-MSHA approved dust respirator if irritation exists or if dust exceeds the nuisance level of 10 mg. per cubic meter.

EYES AND FACE:

Glasses, goggles, or Face shields are

HANDS, ARMS,

AND BODY:

OTHER CLOTHING

AND EQUIPMENT:

recommended if irritation exists

No Irritation expected.

None.

F. PRECAUTIONS/ PROCEDURES:

FIRE EXTINGUISHING AGENTS RECOMMENDED: As appropriate for surrounding material.

FIRE EXTINGUISHING AGENTS TO AVOID: None.

SPECIAL FIRE FIGHTING PRECAUTIONS: None.

ENGINEERING CONTROLS:

Use containment and/or local exhaust ventilation to control dust

USUAL CHRONIC TOXICITY:

None.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED:

Respiratory problems.

NORMAL HANDLING:

Avoid breathing dust. Maintain good housekeeping practices.

STORAGE:

Keep Dry.

SPILL OR LEAK:

Dry sweeping may be used.

SPECIAL PRECAUTIONS/ PROCEDURES/ LABEL INSTRUCTIONS:

Keep dry. Avoid contact with eyes. Avoid breathing dust.

Wash thoroughly after handling.

Keep dust to a minimum.

PERSONAL HYGIENE:

Good personal hygiene reduces the possibility of any irritations.

Washing clothing with a good detergent reduces the possibility of permanent stains.

G. PHYSICAL DATA

APPEARANCE AND ODOR:

Mineralate ZMC is light gray colored powder with no discernible odor.

MATERIAL IS (AT NORMAL CONDITIONS):

LIQUID GAS

SOLID

% VOLATILES BY VOLUME

(At 20° C):

N/A

VAPOR PRESSURE

N/A

B.P. (°C)

N/A

SPECIFIC GRAVITY: (H₂O=1)

N/A

Ph

5-7

M.P. (°C)

N/A

H. REACTIVITY DATA

STABILITY

UNSTABLE

STABLE

CONDITIONS TO

AVOID:

Keep dry to avoid mold.

INCOMPATIBILITY (MATERIALS TO

AVOID):

None.

HAZARDOUS

DECOMPOSITION

PRODUCTS: None.

HAZARDOUS

POLYMERIZATION:

MAY OCCUR

WILL NOT OCCUR

I. ENVIRONMENTAL

EPA HAZARDOUS SUBSTANCE?

YES NO

IF SO,

REPORTABLE

QUANTITY:

WASTE DISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS):

Landfill or maybe used as trace-mineral fertilizer in single applications not exceeding 40 lbs. per acre.

RCRA STATUS OF UNUSED MATERIAL:

Not listed

J. REFERENCES

PERMISSIBLE

CONCENTRATION:

REFERENCES:

N/A

HAZARD INFORMATION REFERENCES:

None. Use as directed on manufacturer's literature.

GENERAL:

K. ADDITIONAL INFORMATION